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1 Development of a multi-switch input controller of the electronic dev for the motor-disabled-person*Yamamoto, T.; Ide, M.;*

Engineering in Medicine and Biology Society, 1996. Bridging Disciplines for Biomedicine. Proceedings of the 18th Annual International Conference of the IEEE, Volume: 2, 31 Oct.-3 Nov. 1996

Pages:508 - 509 vol.2

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1 [Illustrative risks to the public in the use of computer systems and related technology](#)

Peter G. Neumann

January 1996 **ACM SIGSOFT Software Engineering Notes**, Volume 21 Issue 1

Full text available: [pdf\(2.54 MB\)](#)

Additional Information: [full citation](#)



2 [Information delivery systems: an exploration of Web pull and push technologies](#)

Julie E. Kendall, Kenneth E. Kendall

April 1999 **Communications of the AIS**

Full text available: [pdf\(658.33 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



3 [Columns: Risks to the public in computers and related systems](#)

Peter G. Neumann

January 2001 **ACM SIGSOFT Software Engineering Notes**, Volume 26 Issue 1

Full text available: [pdf\(3.24 MB\)](#)

Additional Information: [full citation](#)



4 [Papers: A novel approach to mobility management](#)

Ron Hutchins, Tracy Camp, Philip H. Enslow

January 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 1

Full text available: [pdf\(1.11 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)



In this paper, we propose a novel approach to computer mobility. Our approach allows mobility to be rapidly deployed, as the networking infrastructure required for deployment is available off the shelf. Furthermore, a mobile node does not require modifications in order to use these mobile services. While our approach provides rapid deployment and supports both IP and non-IP protocols, only a subset of mobile usage scenarios are offered. In other words, our approach does not solve all the problem ...

5 [The distributed ASCI Supercomputer project](#)

Henri Bal, Raoul Bhoedjang, Rutger Hofman, Cerial Jacobs, Thilo Kielmann, Jason Maassen,




Rob van Nieuwpoort, John Romein, Luc Renambot, Tim Rühl, Ronald Veldema, Kees Verstoep, Aline Baggio, Gerco Ballintijn, Ihor Kuz, Guillaume Pierre, Maarten van Steen, Andy Tanenbaum, Gerben Doornbos, Desmond Germans, Hans Spoelder, Evert-Jan Baerends, Stan van Gisbergen, Hamideh Afsermanesh, Dick van Albada, Adam Belloum, David Dubbeldam, Zeger Hendrikse, Bob Hertzberger, Alfons Hoekstra, Kamil Iskra, Drona Kandhai, Dennis Koelma, Frank van der Linden, Benno Overeinder, Peter Sloot, Piero Spinnato, Dick Epema, Arjan van Gemund, Pieter Jonker, Andrei Radulescu, Cees van Reeuwijk, Henk Sips, Peter Knijnenburg, Michael Lew, Floris Sluiter, Lex Wolters, Hans Blom, Cees de Laat, Aad van der Steen

October 2000 **ACM SIGOPS Operating Systems Review**, Volume 34 Issue 4

Full text available:  pdf(1.31 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The Distributed ASCII Supercomputer (DAS) is a homogeneous wide-area distributed system consisting of four cluster computers at different locations. DAS has been used for research on communication software, parallel languages and programming systems, schedulers, parallel applications, and distributed applications. The paper gives a preview of the most interesting research results obtained so far in the DAS project.


- 6 Mapping irregular applications to DIVA, a PIM-based data-intensive architecture 
Mary Hall, Peter Kogge, Jeff Koller, Pedro Diniz, Jacqueline Chame, Jeff Draper, Jeff LaCoss, John Granacki, Jay Brockman, Apoorv Srivastava, William Athas, Vincent Freeh, Jaewook Shin, Joonseok Park
January 1999 **Proceedings of the 1999 ACM/IEEE conference on Supercomputing (CDROM)**

Full text available:  pdf(111.41 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


- 7 Current technological impediments to business-to-consumer electronic commerce 
Gregory Rose, Huoy Khoo, Detmar W. Straub
June 1999 **Communications of the AIS**

Full text available:  pdf(479.36 KB) Additional Information: [full citation](#), [references](#), [citations](#)


- 8 Data cashing in IR systems 
P. Simpson, R. Alonso
November 1987 **Proceedings of the 10th annual international ACM SIGIR conference on Research and development in information retrieval**

Full text available:  pdf(931.70 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Information retrieval (IR) systems provide individual remote access to centrally managed data. The current proliferation of personal computer systems, as well as advances in storage and communication technology, have created new possibilities for designing information systems which are easily accessible, economical, and responsive to user needs. This paper outlines methods of integrating personal computers (PCs) into large information systems, with emphasis on effective use of the storage a ...

- 9 Digest of proceedings seventh IEEE workshop on hot topics in operating systems 
March 29-30 1999, Rio Rico, AZ
M. Satyanarayanan

October 1999 **ACM SIGOPS Operating Systems Review**, Volume 33 Issue 4

Full text available:  pdf(1.67 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)


The Seventh IEEE Workshop on Hot Topics in Operating Systems was held on March 29-30 1999 at the Rio Rico Resort & Country Club, south of Tucson, Arizona. The General

Chair, Peter Druschel, and the Local Arrangements Chair, John Hartman, had gone to considerable effort to make the operation of the workshop smooth and pleasant for the participants. The secluded desert locale, the effect of brilliant sunshine and blue skies on winter-jaded northerners, and the enthusiasm and energy of the ...

10 VIRTUS: a collaborative multi-user platform

Kurt Saar

February 1999 **Proceedings of the fourth symposium on Virtual reality modeling language**

Full text available:  pdf(4.09 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: VRML, VRML event model, architecture construction engineering (ACE), collaborative virtual environment (CVE), computer supported collaborative work (CSCW), dead reckoning, distributed environments, living worlds, multi-user technologies, virtual environments, virtual worlds

11 Inhabited television: broadcasting interaction from within collaborative virtual environments

December 2000 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 7 Issue 4

Full text available:  pdf(708.21 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Inhabited television combines collaborative virtual environments (CVEs) with broadcast television so that on-line audiences can participate in television shows within shared virtual worlds. We describe a series of experiments with inhabited television, beginning with the NOWninetysix poetry performance, The Mirror, and Heaven & Hell—Live. These early experiments raised fundamental questions for inhabited television concerning the extent to which it is possible to establish fast-pace ...

Keywords: computer-supported cooperative work, entertainment, media spaces, social interaction

12 Supercomputing and transputers

Falk Langhammer, Francis Wray

August 1992 **Proceedings of the 6th international conference on Supercomputing**

Full text available:  pdf(1.72 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

It will be studied which degree parallel supercomputers can be scaled to. Necessary measures to achieve a maximum scalability will be discussed, and a case-study be presented. To this purpose, a new class of "supermassively parallel architectures" is introduced, and the notation of scalable architectures will be extended to reflect the impact of technological progress onto cost-functions. For systems in this class, the performance efficiency of applications is discussed and two ...

13 Methods for information server selection

David Hawking, Paul Thistlewaite

January 1999 **ACM Transactions on Information Systems (TOIS)**, Volume 17 Issue 1

Full text available:  pdf(283.76 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The problem of using a broker to select a subset of available information servers in order to achieve a good trade-off between document retrieval effectiveness and cost is addressed.


Server selection methods which are capable of operating in the absence of global information, and where servers have no knowledge of brokers, are investigated. A novel method using Lightweight Probe queries (LWP method) is compared with several methods based on data from past query processing, while Random and ...

Keywords: Lightweight Probe queries, information servers, network servers, server ranking, server selection, text retrieval

14 The Integrated Dictionary/Directory System

Frank W. Allen, Mary E. S. Loomis, Michael V. Mannino

June 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 2


Full text available:  pdf(2.71 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

15 Infosphere project: system support for information flow applications

Calton Pu, Karsten Schwan, Jonathan Walpole

March 2001 **ACM SIGMOD Record**, Volume 30 Issue 1

Full text available:  pdf(1.19 MB)


Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

We describe the Infosphere project, which is building the systems software support for information-driven applications such as digital libraries and electronic commerce. The main technical contribution is the Infopipe abstraction to support information flow with quality of service. Using building blocks such as program specialization, software feedback, domain-specific languages, and personalized information filtering, the Infopipe software generates code and manages resources to provide the spe ...

16 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available:  pdf(4.21 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

17 Comparative evaluation of latency reducing and tolerating techniques

Anoop Gupta, John Hennessy, Kourosh Gharachorloo, Todd Mowry, Wolf-Dietrich Weber

April 1991 **ACM SIGARCH Computer Architecture News , Proceedings of the 18th annual international symposium on Computer architecture**, Volume 19 Issue 3


Full text available:  pdf(1.36 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

18 Bibliography of recent publications on computer communication

Martha Steenstrup

July 1998 **ACM SIGCOMM Computer Communication Review**, Volume 28 Issue 3


Full text available:  pdf(743.38 KB)

Additional Information: [full citation](#), [index terms](#)

19 Security without identification: transaction systems to make big brother obsolete

David Chaum

October 1985 **Communications of the ACM**, Volume 28 Issue 10

Full text available:  pdf(1.77 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The large-scale automated transaction systems of the near future can be designed to protect the privacy and maintain the security of both individuals and organizations.

20 Client-server computing in mobile environments

Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid

June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2

Full text available:  pdf(233.31 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services regardless of their physical location or movement behavior. In the meantime, research addressing information access in mobile environments has proliferated. In this survey, we provide a concrete framework and categorization of the various way ...

Keywords: application adaptation, cache invalidation, caching, client/server, data dissemination, disconnected operation, mobile applications, mobile client/server, mobile computing, mobile data, mobility awareness, survey, system application

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